The limited warranty stated herein is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to the Manufacturer but all claims for warranty service must be made within the warranty period. No repair or replacement of any product or part thereof shall extend the warranty period as to the entire product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and the Manufacture's sole obligation is to supply all labor necessary to repair any product found to be defective within the warranty period. Purchaser's failure to make a claim as provided in paragraph 1 above or continued use of the product shall constitute an unqualified acceptance of such product and a waiver by Purchaser of all claims thereto.

3. EXCEPTIONS TO LIMITED WARRANTY: The Manufacturer shall have no liability or obligation to Purchaser with respect to any product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, modification, failure of the end-user to follow the operating procedures outlined in the user's manual, failure of the end-user to follow the maintenance procedures in the service manual for the product, attempted repair by non-qualified personnel, operation of the product outside of the published environmental and electrical parameters, or if security seal has been defaced, altered, or removed. The Manufacturer also excludes from warranty coverage products located outside the United States, and consumable items such as fuses and batteries. Items not manufactured by Backgrounds Unlimited, Inc but included in system bought by Purchaser are limited to original manufacturer's warranty and will be repaired by Backgrounds Unlimited, Inc. on cost of material basis.

4. PROOF OF PURCHASE: The purchaser's dated invoice must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, THE MANUFACTURER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR ANY OTHER COMPARABLE STATE STATUE. THE MANUFACTURER HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-MANUFACTURER'S PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

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William Stump & Associates, LTD

Guardian 2000 Zoom Camera User's Manual 220X Digital Zoom

220X Digital Zoom

G2K Zoom Camera

"See what you've been missing!!"

INTRODUCTION

Congratulations, and thank you for purchasing the *Guardian 2000 Zoom Camera*. This specialized color digital camera is designed for long-range viewing and evidence acquisition. It immediately integrates with the Guardian 2000 video system and is manufactured using stringent standards from customer input. Features include:

- Weatherproof housing
- Highly durable built-in 22x optical power zoom
- 220x digital zoom capability
- High resolution at 470 TV lines
- Low light capability at 1.0 lux @ f1.6
- Wired remote control operation

As you read through this manual, please keep in mind your system has been rigorously inspected for utmost quality assurance prior to shipment.

About the G2K Zoom Camera

The G2K Zoom Camera is a color digital camera with low light and 220x digital zoom capability. The rugged, weatherproof enclosure provides maximum outdoor protection. The G2K Zoom Camera obtains its power from the Guardian 2000 video surveillance recorder and, in turn, sends acquired high resolution video to the Guardian 2000 recorder for capture. The result is a high-quality camera designed to obtain courtroom quality evidence.

Important Safety Precautions

- Use only with the Guardian 2000 outdoor video surveillance system unless and optional A/C adapter is provided. Be sure to connect the black (power) and gold (video) leads correctly.
- Never aim the camera at the sun or other bright light source. Even if no power has been applied to the camera, this could permanently and irreversibly damage the Charged Coupled Device (CCD).
- Operating temperature for this camera is 14° to 122°F, with a storage temperature of –4° to 140°F
- Do not allow this device to be subjected to strong impacts or shocks.
- Never attempt to disassemble or modify this camera.
- Keep away from areas with large amounts of steam and water vapor, high levels of humidity, dust, and vibrations.
- Should this camera be used near devices that emit strong electromagnetic fields, a noise signal may appear on the monitor or recording.

5. **SHUTTER SPEED**
   The shutter can be set in 8 variable positions from 1/25 to 1/1000. Select the best shutter speed for the lighting conditions in your target area.

6. **CAMERA ID**
   Do not change.

7. **WAIT MODE**
   Do not change.

8. **ZOOM DISPLAY**
   The zoom display feature allows the user to visually see the amount of zoom being used. Set the ZOOM START and STOP range by increasing or decreasing accordingly.

9. **SHARPNESS**
   The image sharpness is controlled by increasing or decreasing the amount of sharpness in the acquired image.

10. **BRIGHTNESS**
    The brightness may require adjustment for each target area. This allows you to add brightness if targeting a dimly lit area, or decrease the brightness if there is too much light.

11. **INIT SET**
    This feature allows the user to change all data back to the factory settings. Set the INIT MODE to ON to reset the data to the factory shipped settings.

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General

The G2K Zoom Camera uses a high quality 470 TVL resolution camera with a 1/4" format solid state image sensor. The 1.0lux light sensitivity produces excellent color images even during very low light conditions. The unit is encased in a weatherproof housing with 30 feet of combination video/power cable designed to integrate immediately with either the Guardian 2000 recording system or the G2K Wireless Video Transmitter.

Pre-Operation

1. Read this manual thoroughly!
2. Plug the gold (video) connector of the camera to the gold (video) connector of the Guardian 2000 recording system or the G2K Wireless Video Transmitter.
3. Plug the black (power) connector of the camera to the black (power) connector of the Guardian 2000 recording system or the G2K Wireless Video Transmitter.
4. If connecting directly to the Guardian 2000, turn the Guardian 2000 using its POWER switch. If connecting to the G2K Wireless Video Transmitter, activate the transmitter now.
5. The camera is now powered and the video image from the camera should appear on your set-up monitor. If you connected your camera to the G2K Wireless Video Transmitter and no image appears, check the alignment and range of your transmitter and receiver.

Operating the G2K Zoom Camera

1. Remove the two screws holding the lid on the top of the camera.
2. Remove the hand-held remote control
3. Press MENU. An on-screen menu should appear on your monitor.
4. Scroll through the menu options using the UP and DOWN keys on the remote control.
5. If you desire to change a particular menu option, press RIGHT once, then use the UP and DOWN keys to select the desired change. Once the desired change is made, press LEFT once to lock your change into place.
6. Press the MENU button again to save your changes.
7. Replace the remote control inside the camera housing.
8. Secure the camera enclosure lid by tightening the two screws.
9. The G2K Zoom Camera will automatically use the last settings programmed in the menu each time it is powered up.

On-Screen Display Features

1. **FOCUS**
   The focus for the G2K Zoom Camera may be set to automatic or manual. Although you may use both of these features on a case-by-case basis, it is usually preferable to manually set the focus for your target area. The focus may be adjusted by pressing the NEAR or FAR buttons accordingly.

2. **MIRROR**
   The mirror feature displays the image as though it is appearing in a mirror. This mode is not recommended for evidence-gathering purposes. The <— indicator appears when mirror mode is activated.

3. **BACKLIGHT**
   Whenever possible, it is best to avoid bright sources of light that are positioned behind your target. If such a light source is unavoidable, turn the camera's backlight compensation on by selecting AUTO BLC. This will prevent your target from appearing too dark against the bright background.

4. **WHITE BALANCE**
   Under normal operating conditions, the best results will be obtained by leaving the White Balance Control (WBC) set to PWB AUTO MODE.